

# PROPOSAL EVALUATION

## *Proposition 1E Integrated Regional Water Management (IRWM) Grant Program*

### *Stormwater Flood Management Grant, Round 1, 2010-2011*

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<b>Applicant</b>	Santa Clara Valley Water District	<b>Amount Requested</b>	\$25,000,000
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<b>Proposal Title</b>	Lower Silver Creek (Reaches 4-6) and Lake Cunningham Flood Protection Project	<b>Total Proposal Cost</b>	\$55,000,000
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#### PROPOSAL SUMMARY

The primary Project goal and objective is to provide 100-year flood protection to approximately 3,800 homes and businesses that border Lower Silver Creek from Coyote Creek to Cunningham Avenue. Other goals include: Reduce erosion and sedimentation within Lower Silver Creek by constructing improvements to reduce channel bank failures and increase the sediment storage capacity, and re-establishment of fish passage along Lower Silver Creek.

#### PROPOSAL SCORE

Criteria	Score/ Max. Possible	Criteria	Score/ Max. Possible
Work Plan	15/15	Economic Analysis – Flood Damage Reduction and Water Supply Benefits	9/12
Budget	5/5	Water Quality and Other Expected Benefits	6/12
Schedule	5/5	Program Preferences	8/10
Monitoring, Assessment, and Performance Measures	5/5		
Total Score (max. possible = 64)			53

#### EVALUATION SUMMARY

##### Work Plan

The criterion is fully addressed and supported by thorough documentation and logical rationale. The applicant's Work Plan includes a detailed introduction of the project, which is sub-divided into two main components: Component 1 consists of channel improvements to Lower Silver Creek; and Component 2 consists of capacity and conveyance improvements to Lake Cunningham. The Work Plan presents goals of the project and multiple objectives that are directly related to the adopted Bay Area IRWMP. A tabulated overview of the project is included that provides the status of the four main project areas and several detailed maps and figures are attached. The Proposal does a good job of linking the project with other regional IRWMP projects, and a linkage between the project and Disadvantaged Communities is provided. A substantial amount of planning, design and construction work has been completed for the project and a substantial amount of references is provided as application attachments. Based on the detailed tasks identified in the Work Plan and the existing project status, it is clear that the project can be implemented,

and the tasks collectively implement the Proposal. Each task has appropriate submittals including quarterly and final reports. Tasks 6, 9, and 11 discuss the status of permitting and CEQA documentation. The application summarizes the plans and specifications, presented relevant figures showing anticipated project results, and attached numerous scientific and technical documents to support the feasibility of the project.

### **Budget**

The Budget in the Proposal has detailed cost information as described in Attachment 4; the costs are reasonable, and all the Budget categories of Exhibit B are thoroughly supported. The proposed Budget has a summary and detailed Budget provided for each component and task in the Work Plan. The Budget items are clearly presented and consistent with the Work Plan and Schedule. The costs for the project are reasonable and back up cost estimates are included.

### **Schedule**

The Schedule is reasonable, consistent with the Budget and demonstrates a readiness to begin construction or implementation of at least one component of the Proposal no later than six months (April 1, 2012) after the anticipated award date (October 1, 2011).

### **Monitoring, Assessment, and Performance Measures**

The criterion is fully addressed and supported by thorough and well-presented documentation and logical rationale. The Monitoring Assessment and Performance Measures are part of an existing 10 year Monitoring Plan associated with other Lower Silver Creek reaches. The output/outcome indicators are easy to track and measure with percentage of vegetative cover, flood flow conveyance (cfs), water quality, and fish barrier impedance being documented and measured after construction. The assertions in this Attachment are backed by supporting documentation in the Attachment 6 Appendices including: the Flood Protection and Stream Stewardship Master Plan; Stream Maintenance Plan; Santa Clara Valley Urban Runoff Pollution Prevention Plan; and incorporation of the Rapid Trash Assessment Methodology. The Project is consistent with the applicable Basin Plan.

### **Economic Analysis – Flood Damage Reduction (FDR) and Water Supply Benefits**

Average levels of Flood Reduction Damage benefits can be realized through this proposal; however, the quality of the analysis is partially lacking and supporting documentation is partially unsubstantiated. Total Net Present Value of costs is \$48.554 million. FDR claimed benefits are \$49.683 million. The inundation map is based on the effective FEMA 100 year floodplain Flood Insurance Rate Map (FIRM). However, the flood events and annual damages are not based on this effective FEMA 100 year floodplain. The flood events and flood damages are from a 1983 Environmental Impact Report (EIR). It is unclear what physical data/models the 1983 EIR is based on. Since the EIR is 28 years old, the applicant should have used the current effective FIRM, or conducted their own updated study. No water supply benefits are claimed.

### **Economic Analysis – Water Quality and Other Expected Benefits**

Average levels of Water Quality and Other benefits can be realized through this proposal; however, the quality of the analysis was partially lacking and supporting documentation is partially unsubstantiated. No monetized water quality and other benefits are claimed in Table 10-1. Some damage estimates are provided in Table 9-2, but only some of these are discussed in the text, and some are FDR repeats from Attachment 7. Some of the claimed benefits are mitigation and should not be counted as a benefit.

## **Program Preferences**

The proposal demonstrates with a significant degree of certainty that a number of Program Preferences can be achieved by implementing the proposed project. Thorough documentation with breadth and magnitude is provided for the following Program Preferences: Include Regional Projects or Programs, Effectively Integrate Water Management Programs and Projects, Contribute to Attainment of One or More of the Objectives of the CALFED Bay-Delta Program, Address Critical Water Supply or Water Quality needs of Disadvantaged Communities within the Region, Effectively Integrate Water Management with Land Use Planning, Climate Change Response Actions, Expand Environmental Stewardship, Practice Integrated Flood Management, Protect Surface Water and Ground Quality and Ensure Equitable Distribution of Benefits.